Pavillion Phase 4 ADQ Recommended Data Qualifications

ADQ Report Date	Laboratory	Analyte(s)	Recommended Data Qualifications	Affected Samples
08/17/11 (note in report states that lab properly qualified results where QA/QC not met)	Region 8	VOC	Missed holding times – lab qualified data 04/18 FB had five compounds detected above QL Several compounds did not meet CCV recovery – lab qualified data Tetrachloroethene recovery low in SRM – lab qualified data	Most, not all Samples collected 04/18 need to be qualified
		SVOC	QC criteria not met for a number of samples – lab qualified data Benzoic acid concentration exceeded curve – lab qualified data	MW02
		GRO	None	N/A
		DRO	TB hold time missed; results qualified with J	TBs are not applicable to DRO
09/06/11	Shaw	Dissolved gases	For n-butane only one calibration standard was used - should be qualified as estimated	Samples with detects should be qualified
		Organic acids	None	N/A
		VOC	TB had BQL results for toluene and xylenes	
09/13/11	Region 3	Glycols	Missed holding times for the three glycols – lab qualified data Some analytes did not meet	DW20, DW26, DW30, DW32, and DW32d See lab report

			CCV/SCV criteria Some blank spikes did not meet criteria MS/MSD criteria not met – qualify samples Sample reported above calibration range – qualify sample as estimated FB and TB had low detects of tetraethylene glycol (below low standard) – affected samples were qualified by lab with B The SCV triethylene glycol standard concentration was half of what was certified by the manufacturer	 See lab report MW02 and DW32 MW02 See lab report See lab report for discussion
02/13/12	Field	pH	None	N/A
02/13/12	EPA GP Lab	Chloride	None	N/A
02/13/12	Shaw	K	No MS performed	All
02/15/12	EPA Field	Field methane	Calibration check did not meet criteria	Data not reported
11/15/12	EPA GP Lab	SO4, F, Br	Matrix spikes failed for Br (even when reanalyzed), and an LCS passed.	Add a J- qualifier to all Br results to indicate the low bias.
11/15/12	Shaw	LMWA (organic acids)	No issues except problems with isobutyrate, which is not reported in the spreadsheets.	
11/15/12	Shaw	ICP-OES, all metals	Raw data indicates that the analysis was completed over three runs. The following samples had	

			analysis for all analytes on 5/10/11: Trip Blank, Field Blank-6030, PGDW20, PGDW26, PGDW30, PGDW32, PGDW32d, EPAMW02, EPAMW02d, and PGDW05. The following samples were analyzed on 5/11/11 for all analytes except for Ni, P, & S; which were analyzed on 5/12/11: Field Blank-6032, Equip. Blank, PDGW45, EPAMW01, PGDW41, PGDW14, PGDW49, PGDW23, and PGDW44.	
			There were no ICVs and no matrix spikes for Ag, Al, B, Ba, K, Na, Si, S, & P. U was not reported.	Add a J qualifier to all of these analytes done by ICP-OES.
			Associated method blanks for samples analyzed on 5/10/11 had BQL hits for Al, Be, Mo, Ti, & P. These would be easiest to evaluate against the sample results once the values are all in the formatted spreadsheets.	Evaluate for J/U issue.
			Associated method blanks for samples analyzed on 5/11/11 and 5/12/11had BQL hits for Be, Cu, Ti, & P. These would be easiest to evaluate against the sample results once the values are all in the formatted spreadsheets.	Evaluate for J/U issue.
			There were several BQL results in the field, equipment, and trip	Evaluate for J/U issue.

			blanks; and these would be easiest to evaluate against the sample results once the values are all in the formatted spreadsheets.	
11/16/12	EPA GP Lab	NO3+NO2, NH4	Two matrix spikes were analyzed. One passed and one failed. An LCS was analyzed and passed, so interference was suspected for sample PGDW14-0411. One method blank for NH4 had a BQL hit, and this should be evaluated once we get the spreadsheet.	DW14 should be qualified with a J and possibly a footnote for interference. Evaluate for J/U issue.
11/16/12	EPA GP Lab	DIC/DOC	All but one method blank for both analytes had results between MDL and QL. All trip, field, and equip. blanks had results between MDL and QL for both analytes.	Can't report any results <QL.